OGDEN ARSENAL, BOILER HOUSE
(OGDEN ARSENAL, BUILDING 1703)
(OGDEN ARSENAL, HEATING FACILITY)
West side of Aspen Avenue, North of Maine Street
Layton Vicinity
Davis County
Utah

HAER No. UT-84-AP

HAER
UTAH
6-LAY. V,
1AP-

PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

Historic American Engineering Record
National Park Service
Department of the Interior
Denver, Colorado 80225-0287

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OGDEN ARSENAL, BOILER HOUSE
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HAER No. UT-84-AP

Location: West side of Aspen Avenue, North of Maine Street, Hill Air Force Base, Layton Vicinity, Davis County, Utah

UTM: 12-414220-4554820

Date of Construction: 1942

Architect: Unknown

Builder: Unknown

Present Owner: Hill Air Force Base

Present Use: Locomotive/Heating Facility

Significance: This Boiler House provides particularly vivid insight into the processes involved in heating buildings used in the locomotive repair operations at Ogden Arsenal. In addition, Building 1703 contributes to a fuller understanding of the U.S. Army build-up which occurred on the eve of and during World War II.

History: Building 1703 served as the Boiler House for the network of buildings in the locomotive repair shop area. The original heating equipment in the building included two 200 horsepower Union Iron Works boilers, one 500 horsepower Keeler boiler, and a 160 psi pressure semi-automatic, gas-fired water tube that featured a hand-fired oil standby. The equipment came complete with all controls, meters, gauges, steam pumps, oil pumps, valves, stacks, breechings, blow downs, etc.

Unlike the hollow tile walls of other boiler houses at Ogden Arsenal, Building 1703 was constructed from brick walls. Since this plant was not near volatile explosives, the building was constructed of more conventional materials. Building 1703 continues to serve in its original function today.

General Description: Building 1703 (42' x 30') is similar in size and design to other heating plants at Ogden Arsenal. It is framed in concrete and contains a gable roof covered with corrugated asbestos. The original building contained two entries on the west elevation: a double loading door on the south bay and a single door on the north bay that opened directly to stairs that led to the basement. The boilers sat on the basement floor, standing approximately 15 feet high. The east and south elevations contained a four-by-five-pane window centered in each bay, while the north elevation contained three windows and a 51-inch diameter refractory brick ring around the breeching for the 80-foot stack pipe which sat 11 feet from the north wall.

Additions made after 1955 include a one-story gabled brick addition to the south (over the site of the original stack) and a taller concrete block addition to the north. This block addition contains a stepped parapet wall and segmentally arched windows. Two metal stacks extend through the roof of the original building and one extends through the roof of the concrete block addition.

BLDG - 1703
SCALE 1/8" = 1'-0"
821-117 / HTG FCLTY BLDG
2849 REO / SURVEYED: 8 NOV 78
TOTAL SF 1,260